

## ABSTRACT

A novel sorbent suitable for use as a stationary phase in a chromatography column, the core of which consists of an organic polymer of synthetic or natural origin. Further, the carrier exhibits a plurality of covalently bonded non-aromatic zwitterionic groups on its surface. Additionally, the invention also relates to a method for purifying a particular biological macromolecule, such as a protein or a nucleic acid, by zwitterionic ion exchange chromatography as well as an ion exchange column suitable for use in the zwitterionic ion exchange chromatography.

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